## What is Claimed is:

1. A method for treating or preventing skeletal muscle atrophy in a subject comprising administering to the subject a composition comprising Bowman-Birk Inhibitor or a derivative thereof.

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- 2. The method of claim 1 wherein the composition is administered orally.
- 3. The method of claim 2 wherein the composition is administered as a dietary supplement.

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- 4. The method of claim 1 wherein the composition comprises Bowman-Birk Inhibitor Concentrate.
- A method for improving skeletal muscle function in a subject comprising
  administering to the subject a composition comprising Bowman-Birk Inhibitor or a derivative thereof.
  - 6. The method of claim 5 wherein the composition is administered orally.
- 7. The method of claim 6 wherein the composition is administered as a dietary supplement.
  - 8. The method of claim 5 wherein the composition comprises Bowman-Birk Inhibitor Concentrate.

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- 9. The method of claim 5 wherein improved skeletal muscle function comprises increased muscle strength or increased muscle mass.
- 10. A method for treating or preventing skeletal muscle degeneration in a subject comprising administering to the subject a composition comprising Bowman-Birk Inhibitor or a derivative thereof.
  - 11. The method of claim 10 wherein the composition is administered orally.

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- 12. The method of claim 11 wherein the composition is administered as a dietary supplement.
- 13. The method of claim 10 wherein the composition comprises Bowman-Birk5 Inhibitor Concentrate.
  - 14. A method for alleviating symptoms or slowing disease progression in a subject suffering from a degenerative skeletal muscle disorder or disease comprising administering to the subject a composition comprising Bowman-Birk Inhibitor or a derivative thereof.
    - 15. The method of claim 14 wherein the composition is administered orally.
- 16. The method of claim 15 wherein the composition is administered as a dietary supplement.
  - 17. The method of claim 14 wherein the composition comprises Bowman-Birk Inhibitor Concentrate.
- 20 18. The method of claim 14 wherein the degenerative skeletal muscle disorder or disease is muscular dystrophy, amyotrophic lateral sclerosis, spinal muscle atrophy or spinal cord injury.

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